Maricopa County Healthy Weight Advocacy Local Policy Training Institute September 1-3, 2009

Tuesday, September 1, 2009					
11:30 am – 12:30 pm	Registration and Reception	Crowne Plaza			
12:30 pm – 1:00 pm	Welcoming & Introduction	Crowne Plaza			
1:00 pm – 3:00 pm	Enhancing Health through Environmental and Policy Change	Crowne Plaza			
3:00 pm – 5:30 pm	Engaging Partners in Organizational Practice and Policy Change	Crowne Plaza			
Wednesday, September, 2, 2009					
8:30 am – 9:00 am	Breakfast	Crowne Plaza			
9:00 am – 10:30 am	Developing Effective Coalitions: The Eight Step Guide	Crowne Plaza			
10:30 am – 11:30 am	Conversation with Larry Cohen and Mark Fenton	Crowne Plaza			
11:30 am – 12:00 pm	TRAVEL				
12:00 pm – 12:30 pm	Learning Lunch	Crockett Elem.			
12:30 pm – 2:30 pm	Active Community Assessment (Part 1)	Crockett Elem.			
2:30 pm – 4:30 pm	Active Community Assessment (Part 2)	Crockett Elem.			
4:30 pm – 5:00 pm	TRAVEL				
6:00 pm – 8:00 pm	Evening to Remember (optional hiking and/or dining)	South Phoenix			
Thursday, September 3, 2009					
7:30 am – 8:30 am	Breakfast	Crowne Plaza			
8:30 am – 10:30 am	Creating More Livable/Walkable Communities	Crowne Plaza			
10:30 am – 11:50 am	Action Planning: The Next Steps	Crowne Plaza			
11:50 am – 12:00 pm	Wrap-Up	Crowne Plaza			



Examples of Local Government Policies
Promoting Active Living
and Healthy Eating

Safe Routes to School

- Marin County:
 - SRTS program:
 - · Walking: 64% increase
 - Biking: 114% increase
 - Carpooling: 91% increase
 - Children driven to school alone: 39% decrease
- National Center for Safe Routes to School: www.saferoutesinfo.org

Complete Streets Policies

- Planning to incorporate/integrate all modes of transportation
 - Hennepin County, MN—Recently passed complete streets policy to integrate these practices into transportation & development projects
 - DuPage County, IL—Healthy Roads Initiative
 - Tacoma-Pierce County, WA—Board of Health resolution
- National Complete Streets Coalition: www.completestreets.org

Healthy Community Planning & Zoning

- Public Health & Planning: Land Use Planning
 - Tri-County Health Department (Adams, Arapahoe, & Douglas counties in CO)
 - Miami-Dade: Master plan fosters interconnectedness, promotes public spaces
 - Arlington County, VA: Redevelopment of commercial corridor into more walkable neighborhood

Healthy Community Planning & Zoning

- Public Health & Planning & Economic Development: Healthy Food Access
 - In neighborhoods with lack of access to healthy & affordable foods, local government can provide incentives to attract new supermarket development
 - Density bonuses
 - Zoning: Incentives or removal of barriers
 - ◆ Tax incentives: Washington D.C.—Supermarket Tax Exemption
 - Can also provide data about neighborhood purchasing power (Chicago, Milwaukee)

Healthy Communities Planning & Zoning

- Sample Resources:
 - National Association of County and City Health Officials (NACCHO):
 - http://www.naccho.org/topics/environmental/landuseplanning/toolbox.cfm
 - Local Government Commission: <u>www.lgc.org</u>
 - Public Health Law and Policy toolkit for healthy planning: www.healthyplanning.org/toolkit_healthypp.html
 - Pedestrian and Bike Information Center: www.pedbikeinfo.org
 - International City/County Management Association (ICMA): www.icma.org

Menu Labeling

- New York City
- State level policies:
 - •Massachusetts (2009)
 - ●California (2008)
 - Prior action by counties: Santa Clara, San Francisco
- Multnomah County, OR (2008)
- King County, WA (2007)
- Model policy: NPLAN http://nplanonline.org/products/model-menulabeling-ordinance

Examples of Counties with Comprehensive Childhood Obesity Plans

- San Diego County, CA
- Contra Costa County, CA
- Duval County, FL
- Santa Clara County, CA
 - Early childhood obesity
- · Solano County, CA



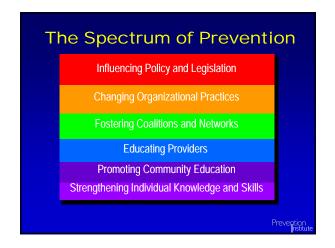






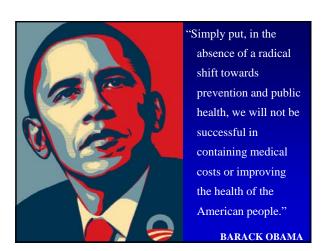


























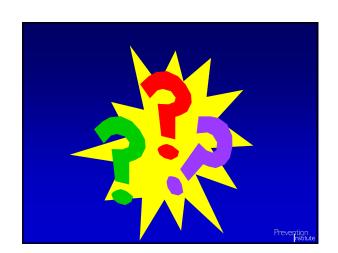
What's Health
Got to Do
With It?

Prevention Institut





















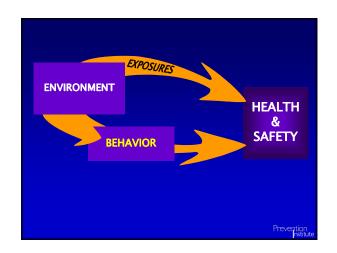


















"It is unreasonable to expect that people will change their behavior *easily* when so many forces in the social, cultural, and physical environment conspire against such change."

Institute of Medicine

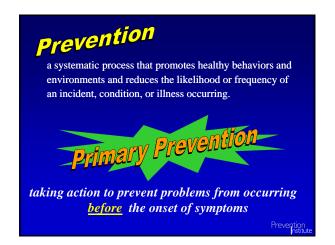






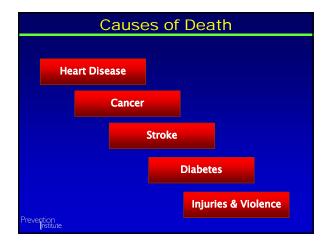














Medical Care Alone Cannot Reduce Injuries and Inequities

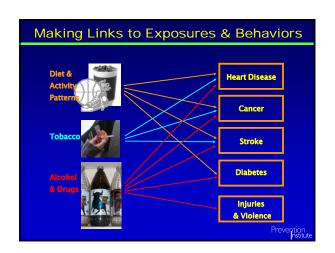
Not the primary determinant of health
Treats one person at a time
Often comes late; can't always restore health











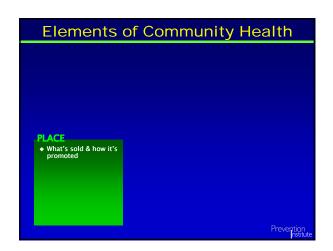


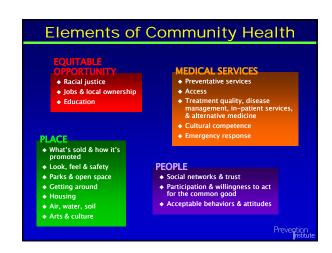


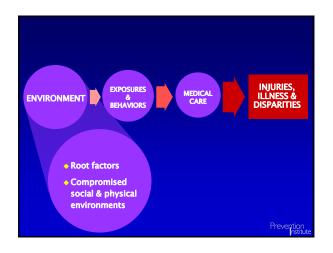
	VS.	
Industry Group		
Supermarkets	7	27
Carry-out eating places	26	24
Bars/Taverns	35	11

Wildts	Sold and P	Torrioted
Industry Group	Low-Wealth Neighborhood	High-Wealth Neighborhood
Supermarkets	7	27
Carry-out eating places	26	24
Bars/Taverns	35	11



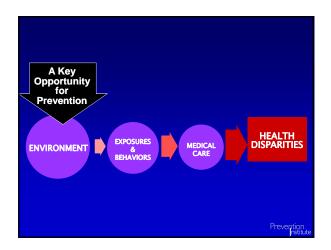




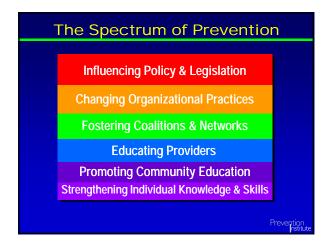


"The health inequities we see are the embodied expressions of social inequality. They are not about just individual bad choices: they are about things not being fair."

Nancy Krieger, Harvard School of Public Health

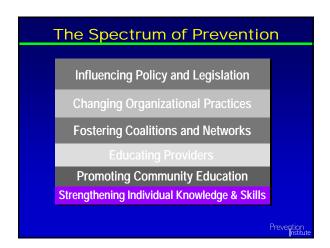


How do we design strategies that have the greatest impact?





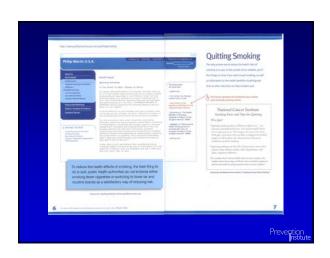




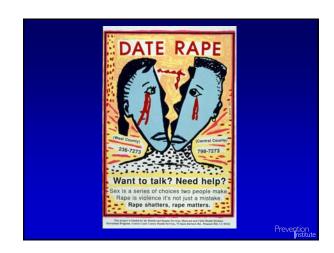








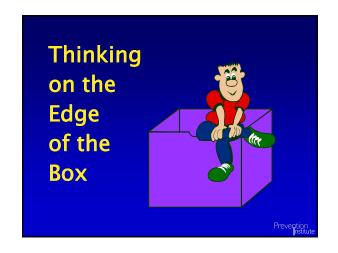




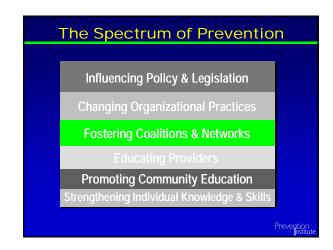


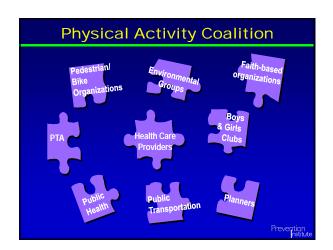


























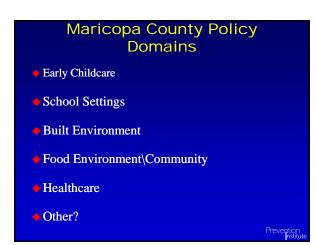


























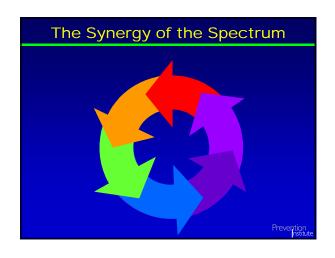






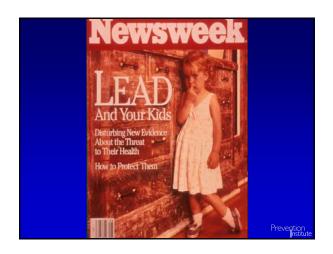




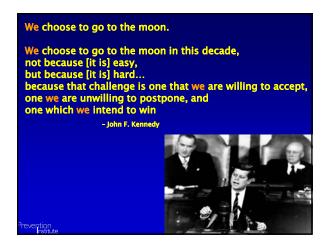










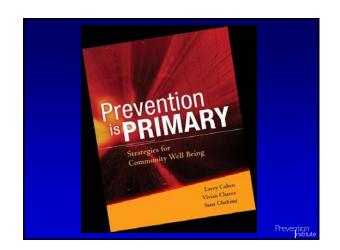












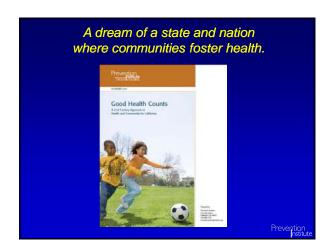
What have we learned from talking to public health departments?

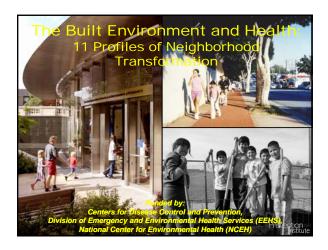
Health Equity Toolkit:

Advancing Public Health Advocacy to Eliminate Health Disparities







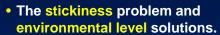






Topics for consideration:

- A musical reference.
- Some perspective . . .
- The "epidemics" too few are talking about (and a brief rant).
- A question of priorities, and five recommendations.



Why it really matters!



Scottsdale

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"If I leave here tomorrow, will you still remember me . . .?"

Free Bird, Lynyrd Skynyrd

Some perspective and a thought exercise:

- Recall one of your earliest fond memories of physical activity from your youth.
- For just a moment pair up and share your recollections.



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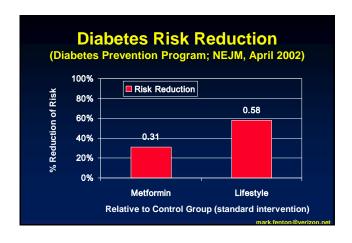
America's looming chronic disease apocalypse . . . US "Obesity Epidemic" Ogden et. al. (JAMA 288, 14; Oct. 2002) 35 082 20 \$2 15 10 1960 1970 1980 1990 2000

Diabetes Prevention Program (DPP; New.Eng.J.Med., April 2002)

Compared three treatments for nationwide cohort (3,000+) at risk for developing diabetes (elevated fasting glucose).

- 1. Control: Standard exercise and nutrition counseling; placebo.
- 2. Standard plus drug treatment: Metformin
- 3. Intensive lifestyle change: Nutritional training, 150 min./week physical activity.





My Rant: Change the conversation. It's not just an obesity epidemic. It's an epidemic of physical inactivity and poor nutrition.

Rank the priority of these five activities:

- 1. America on the Move national meeting.
- 2. Local planning board meeting; re: trail.
- 3. Belmont Health Fair lead walks, etc.
- 4. Address Governor's task force on the MA Highway Design Manual.
- 5. Nordic Walking (w/poles) fitness DVD.

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Surgeon General's Report 1996 Physical Activity Guidelines 2008

www.health.gov/paguidelines

- 150 minutes/week of moderate physical activity; more is better.
- Any activity is better than none.
- Can be broken up.
- 300 min/week for children.
- Reduced risk for CVD, diabetes, osteoporosis, obesity, dementia in old age, clinical depression, a growing list of cancers.



Getting some exercise, or just getting somewhere?

But, Health Fair is #5 because:

- Only reaches those who choose to show up!
- And only a fraction of those may actually use the information.

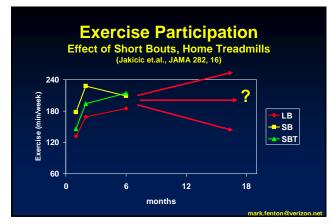


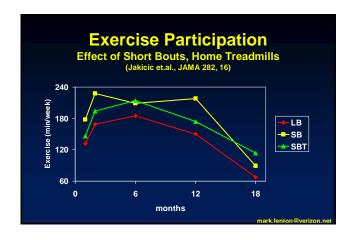
TN Public Health Assoc. meeting

Recommendation 1: Think about scale & effectiveness. Ask the simple question: in how many people is this likely to actually change behavior?

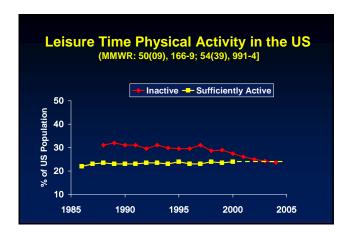






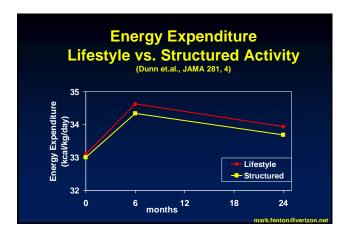






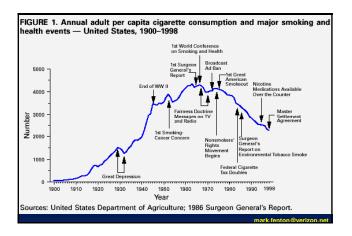
Recommendation 2: Go for breadth—not just "exercise" for the actively inclined. We need increases in routine, daily physical activity for everyone.



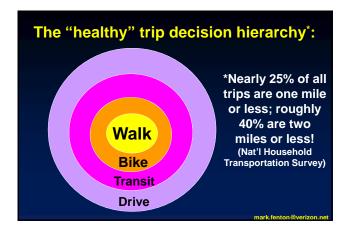


Social Ecology Model Determinants of behavior change Sallis, Owen, "Physical Activity and Behavioral Medicine." • Individual (readiness, efficacy) • Interpersonal (family, friends) • Institutional (school, work, HMO) • Community (networks, local gov't) • Public Policy (transport, land use)

Socio-ecological success: tobacco Individual – education, medication Interpersonal – 2nd hand smoke, kids Institutional – work place bans Community – smoke free policies Public Policy – taxes, enforcement, advertising bans, SG's warning label.

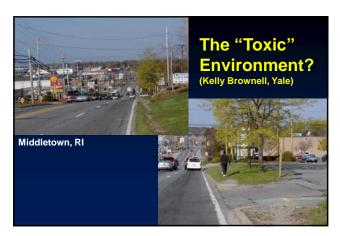






Recommendation 3:
We have to make active living the easier choice - actually safer, more convenient, less costly, and more fun than being sedentary.





So, what seems to matter?

- 1. Destinations within walk, bike, & transit distance?
- 2. Sidewalks, trails, bike lanes, safe crossings?
- 3. Inviting settings & sites for bikes, peds, transit?
- 4. Safe & accessible for all ages, incomes, abilities?

www.thecommunityguide.org
CDC Guide to Community Preventive Services





Or in Planner-Speak:

- Land use mix.
- Network of ped, bike, & transit facilities.
- Functional site design & details.
- Safety & universal access.























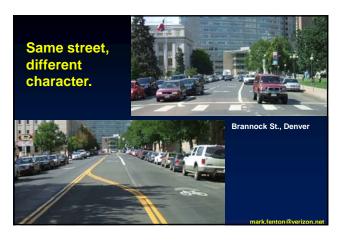
Recommendation 4:
Both the built and social environments of the community matter, so work on improving them. Start by helping people realize what "sticks" and what doesn't.











The Story of "4":

4,000

Approximate number of annual pedestrian deaths in America.

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40,000

Approximate total annual deaths in motor vehicle crashes.

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400,000*

Approximate annual deaths due to sedentary living and poor nutrition.

*Rounded up from corrected 365,000.

Mokdad, A.H., et al. 2004. Actual causes of death in the US, JAMA 291: 1238-45.

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40,000,000,000

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\$40,000,000,000

Approximate direct annual medical expenditures due to inactivity & poor nutrition, borne by taxpayers.

www.cdc.gov/nccdphp/dnpa/
(Obesity Research, Finkelstein et.al., Jan, '04)

Estimated Cost of Inactivity and Poor Nutrition nationally: ~\$78.5 billion/year

Arizona total = \sim \$752 million/yr.

- Public (taxes) Medicaid, Medicare: ~\$396 mill.
 - Private (insurers, hospitals): ~\$356 mill.

State Level Estimates of Annual Medical Expenditures Attributable to Obesity, Finkelstein et.al., Obesity Research 2004;12(1):18–24;

www.cdc.gov/nccdphp/dnpa mark.fenton@verizon.net

So my choices:

- 1. Highway Design Manual, Governor's Task Force.
- 2. Local planning board meeting.
- 3. America on the Move national meeting.
- 4. Nordic Walking (w/poles) DVD.

Don't bother: Community Health Fair.

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So, how do we get there?





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7 more lessons from the field.

- 5. Evaluate early.
- 6. Build toward policy change: Institutionalize so stickier environments & practices result.
- 7. Stealth rather than bulk.
- 8. Focus: Fewer rather than more goals.
- 9. It's not about money; it's about the job.
- 10. Get some heavy breathers in the mix.
- 11. The wild future of physical activity promotion.

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E.g. Community-wide Safe Routes to School programs.

- Comprehensive local plans.
- Educate on safe behavior.
- Encourage walking, cycling.
- Engineer preferred routessidewalks, trails, crossings.
- Enforce proper speeds, etc.
- Evaluate where kids come from, what mode, & why.

www.saferoutesinfo.org



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Start by measuring what we want to change:

Schools reporting on youth BMI to parents, administrators?

Instead, why not measure & report travel mode share at every elementary school in America with a national show-of-hands survey?

Mode	%
Driven	21.5
Bus	18.7
Taxi	1.4
Walk	48.3
Cycle	2.8
Scooter	0.7
Park & walk	6.1
Other	0.5

Scottish 2008 Hands-Up Survey www.activetravel.org.uk

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6. Successful communities build toward policy change!

- Programs: Build awareness, support, skills, & encourage behavior change.
- Projects: Alter & improve the built environment for walking, cycling, and active living in general.
- Policies: Rewrite the rules so stickier environments & practices are the norm!

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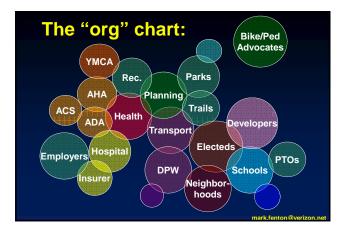


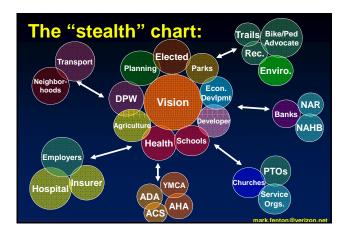












To be on the stealth leadership team people must:



- Fully embrace the vision of active, healthy community design.
- Be able to spend time on this as part of job responsibilities; not just volunteers.
- Have community influence and be able to reach critical partners.

.

8. Focus on fewer high impact activities that elicit systemic change.

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E.g. Begin requiring Health Impact Assessments

- For all projects (new construction, upgrades, redevelopment).
- Consider health related costs (air quality, toxins, vehicle crashes, etc.)
- Specifically include affect on nutrition and physical activity rates!



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Most rigorous: Health Effects and Remediation Statement (H.E.R.S.)

- Mandatory, comprehensive.
 - Regulatory; remediation required for impacts.
- If remediation insufficient, project halted.

......

Medium rigor: Health Impact Statement (H.I.S.)

- Mandatory, advisory.
- Outlines issues for regulators.
 - Tied to incentives, etc.

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Least rigor: **Health Impact Outline** (H.I.O.)

- Voluntary, informative.
- Fairly simple checklist of health impacts.
- Provides content for discussion.

To do this will have to select one, or some hybrid . . .

- A. H.E.R.S. (most rigorous, regulatory).
- B. H.I.S. (required analysis, informative).
- C. H.I.O. (voluntary checklist, informative).
- D. Another, better idea?



9. It's not about the money, it's about the job!

For sustained intervention, focus on:

- Routine accommodation.
- Opportunistic improvements.
- Impact mitigation (private sector).
- Special project funding (Transportation) Enhancements, Safe Routes to School, Congestion Mitigation & Air Quality, etc).

Complete Streets Policy:





- Accommodate all users--peds, bicyclists, transit, motor vehicles--of all ages & abilities whenever we touch a road.
- 2. Roadway design = posted speed.
- 3. Go beyond local, collector, arterial hierarchy (include trails & alleys to boulevards & parkways).

www.completestreets.org

10. If you could strongly influence one of the following groups, which would you pick?

- 200 advocates, concerned citizens . . .
- 20 engineers, planners, health promoters . . .
- 2 big-time land developers . . .

10. Recruit (or target) some **Heavy Breathers**

- Land developers
- Home builders
- Venture capitalists

Real estate

- Lenders
- Etc. . . .



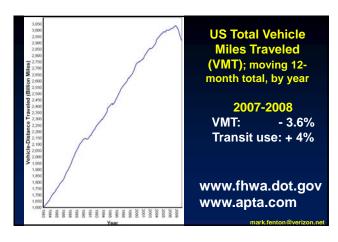


11. The wild future of activity promotion.

- Economic stimulus \$.
 Which infrastructure?
- Transit funding. Rail, bus, van & car pool.
- Congestion charges.
 Auto disincentive.
- Tolls, parking, gas taxes? Carrot & stick.
- Insurance rewards for active commuting.



3rd quarter 2008.
 Auto miles \ 4.6%
 Transit use \ 6.5%
 www.apta.org



Questions:

- 1. Is it just an obesity epidemic?
- 2. Who's on your stealth team? (Who's missing?)
- 3. Are you attacking stickiness? (E.g. land use, network, site design, safety.)
- 4. What are the small number of meaningful policies on which you are going to focus?
- 5. Any heavy breathers in the fold?
- 6. Whose jobs are institutionalizing change?
- 7. What's your visionary, futuristic effort? (B.H.A.G.)

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Five web sites to go to:

- 1. www.saferoutesinfo.org
- 2. www.completestreets.org
- 3. www.activelivingresearch.org
- 4. www.T4america.org
- 5. www.physicalactivityplan.org

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Why care about stickiness & active community design?

- The inactivity epidemic; our kids may pay!
- ~4,000 pedestrian, ~40,000 motor vehicle, ~400,000 sedentary-related deaths/year.
- Smog alerts, over an hour of average commute time/day, traffic congestion and costs.
- OPEC; drilling in ANWR; oil wars in Mid-east.
- More eyes on the street, less crime.
- Shopping locally, healthier housing values.
- Higher employee retention, higher productivity, lower health care costs.



10 Initiatives for consideration.

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1. Safe Routes to School

- Every elementary school in county (initially)
 - Start by requiring evaluation of current mode split.
- Goal: Develop 5 E plan for each.
- Need: Top administration committed.

2. Complete Streets

- First: City council resolution
- Modified roadway standards.
 - Few & explicit exemptions allowed.

3. Comprehensive transit (& bike, pedestrian) planning & promotion.

- Much greater regional focus on transit, especially for at risk communities.
 - Tie to extensive education, promotion, parking policy innovation, etc.
 - E.g. www.smarttrips.org

4. Ordinance review for healthy community planning policies.

- Rewards for mixed-use, compact neighborhood development.
 - Incentives (requirements) for affordability, accessory dwellings (tools to forestall gentrification)
 - Nutrition tools: Food deserts, neighborhood stores, community gardens, fast food,

5. Procedural review for healthy community planning practices.

- Require & codify transportation, not just traffic, analysis & mitigation.
 - Health Impact Analysis
- neighborhood stores, community gardens, fast food,

6. Physical education requirements in schools.

- How much, which grades, when?
- Avoid an "unfunded" mandate; technical & financial support.

7. Childcare licensure updates

- Update specific requirements on:
 - Screen time
 - Physical activity
 - Nutrition
 - More?

8. Menu labeling

9. Breast Feeding Support

10. Soda tax

Your job:

Work for ~30 mins. on a plan for implementation, how to make this a reality.

Answer:

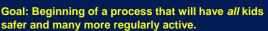
- Who (specifically) on working group.
- First five major steps in implementing.
- Specific outcome goal & timeframe.

Present a 5 minute summary to group, pitching this as one of the initiatives the collaborative MUST undertake.



SRTS Agenda

- · Walk, observe dismissal.
- Introduction & perspective.
- Presentation on SRTS.
 - Why bother?
 - How the five Es work.
- Group work—ideas to get kids moving?
- Discussion, next steps, commitments.



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STOP

WHEN

Please introduce yourself in 10 seconds sharing:



- Your name.
- · Your organization or affiliation.
- A phrase describing how the life of a child in this neighborhood is healthier ten years from now.

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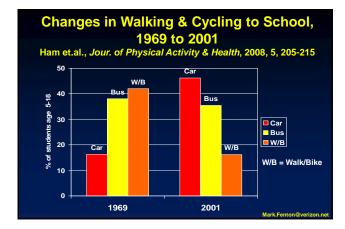
What is Safe Routes to School all about?

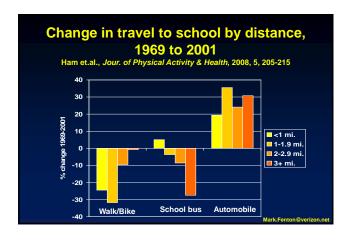
- Getting more children, more safe physical activity, more of the time.
- Where it's safe, encourage more bicycling and walking right now.



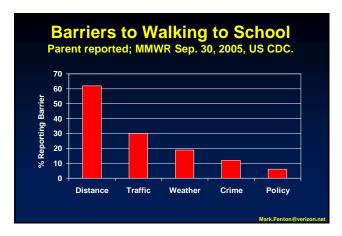
- Where it's not safe, then do what we must to make it safe.
- Make sure we think about all children—even those who come the greatest distance or who face greatest risks.

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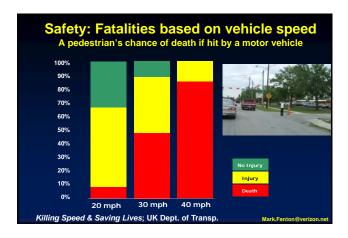




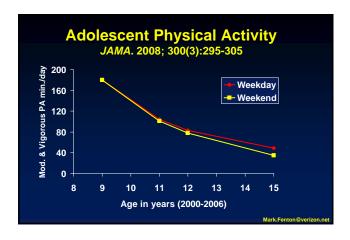










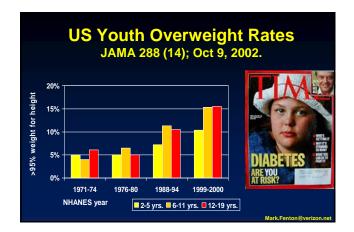


Physically inactive children have an increased risk of . . .

- Overweight and obesity, Type 2 diabetes.
- Aggravated existing asthma; sleep apnea.
- Decreased physical functioning (e.g., playing sports, climbing stairs, bicycling & walking).
- Musculoskeletal problems (e.g., tibial varum).
- Low self esteem; poor academic performance.
- Diminished physical & social navigation skills.

(American Academy of Pediatrics, 2005)

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Evaluation: Start here!

Where do kids come from, what mode, & why?

Travel modes

Show of hands

· Vehicle counts, speed

- Student, parent
- Perceptions, barriers

Municipal data • Crash Data

- Traffic volumes, speed

- Home locations; code by travel mode.
 - Green = Walk
 - Blue = Bike
 - Yellow = Bus
- Red = Car · Routes (current, barriers, preferred)

Enforcement:

Goal: Sustain change!

- · Not just police; but faculty, staff, kids, parents all involved.
- Speed and traffic enforcement.
- · Combine with other tools, doesn't "stick" alone.
- No surprises; do progressive steps:
 - Educate
 - Warnings
 - Ticket, then ^\$.





Education:

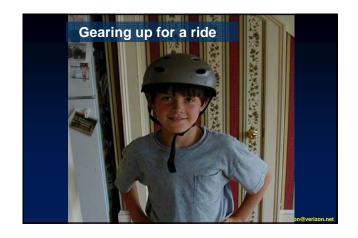
- Bicycle & pedestrian safety education.
- Tie to curricular programs (math calculating distances, speeds; geography mapping routes; science health benefits; arts, etc.)
- Target adults, neighbors, teachers with safe driving instruction, rules for pick-up, drop-off, reminders, etc.



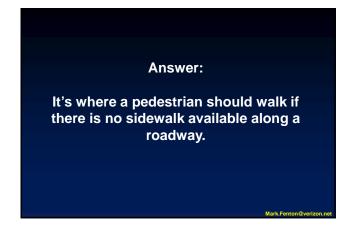






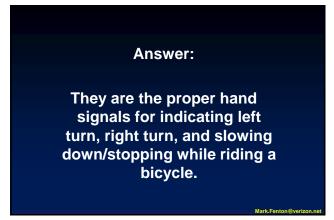
















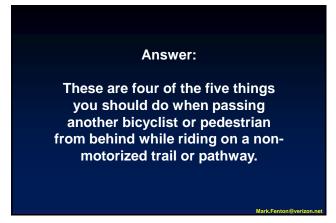
Answer:

These are three things (at least) you should do when crossing a street as a pedestrian.

- 1. Use a marked crosswalk if possible.
- 2. Stop at the curb.
- 3. Look left, then right, then left again (at least—more if necessary) before crossing.
- 4. Listen closely for traffic that's not yet visible, sirens, or other indicators that it's not yet safe before stepping off the curb.

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Slow down.
 Check for traffic coming behind you.
 Check for traffic coming from ahead.
 Verbally indicate you are passing ("On your left")
 Be polite (say "Thanks!")



Answer:

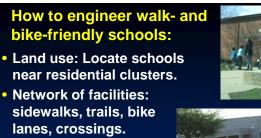
These make up the safety "A, B, C, Quick Check" you should do on your bicycle every time before you begin riding.

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- A. Air. Check for proper tire inflation with a quick thumb squeeze.
- B. Brakes. Try both front and rear brakes for proper operation.
- C. Chain/crank. Be sure pedals and drive train connections are tight, functioning properly.
- D. "Quick Check." Check that all quick release nuts (seat post, wheels) are properly tightened.

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- Site Design: Functional, safe, and inviting.
- Safety along the route (speed, crime).





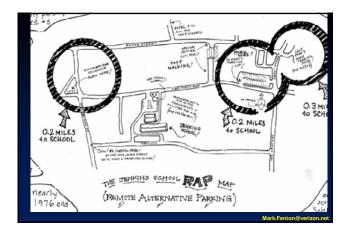






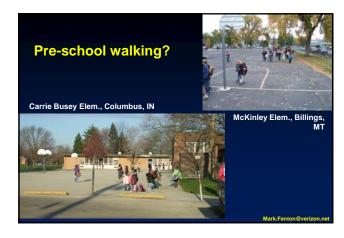














A comment on each E:

- Evaluation. Start here!
- Education. Not just the kids; parents too.
- Enforcement. Not just cops, everyone.
- Engineering. Remember the cheap stuff.
- Encouragement. Mold to the school; walking busses, remote drop, etc.



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For group work: Develop ideas from all five Es

- Evaluation. Measure what's happening, why?
- Education. Teach children, parents, drivers.
- Enforcement. Ensure proper behavior.
- Engineering. Build safe, inviting facilities.
- Encouragement. Help everyone rediscover the fun of being physically active.

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